

**Notice of Allowability**

Application No.

10/018,047

Applicant(s)

SCHELLMANN ET AL.

Examiner

JAGDISH PATEL

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3693

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendfiled 10/25/07.
2. ☒ The allowed claim(s) is/are 28-54.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

**DETAILED ACTION**

1. This communication is in response to amendment filed 10/25/07.

***Response to Amendment***

2. Claims 28-54 have been amended as per amendment filed 10/25/07. All claims have been allowed.

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

4. Authorization for this examiner's amendment was given in a telephone interview with Steven Laut, Reg. No. 47736 on January 17, 2008.

5. **Please amend the abstract to read as follows:**

**ABSTRACT**

A method for processing data concerning a business transaction. Data concerning business transactions are recorded in a computer system. Predetermined accounts in which the values

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of the business transaction should effect a corresponding change of account values are associated with each business transaction. At least one ledger structure is provided. A record identifier which unambiguously identifies the ledger structure and a book data set in the ledger structure is associated with each book data set, and each book data set has an account identifier. An account object which has an identifier data structure and a store structure for ordered storage of partial entry data sets is formed for each account. In the recording of the data concerning a business transaction a ledger structure, an account object of a book account with which the selected ledger structure is associated, and at least one account object of a cross-account are selected. The book data set and at least two partial entry data sets are generated, and the book data set is stored in order in the selected ledger structure. The at least two partial entry data sets are sent to the appertaining account objects of the book account and of the cross-accounts. The partial entry data sets are received in the account objects and are stored in order in the appertaining store structures.

**Please amend claim 28 as follows:**

**Claim 28.** A method for processing data concerning a business transaction in a computer system, the computer system having at least one processing unit, at least one storage unit, input means and output means and data communication means which couple the input and output means and the units of the computer system to one another, the data specifying a type of the business transaction, a time of the business transaction and values of the business transaction, the values indicating changes in account values of at least two predetermined accounts of a plurality of accounts, comprising:

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providing at least one ledger structure, the ledger structure having a storage structure for ordered storage of a plurality of book data sets, each book data set being associated with a business transaction,

each book data set having associated with it a record identifier which unambiguously characterizes the ledger structure and the book data set within the ledger structure, and each book data set containing an account identifier,

the account identifier identifying at least two selected accounts of the plurality of accounts, one of the at least two selected accounts being a book account with which the ledger structure is associated, and the further of the at least two selected accounts being cross-accounts associated with the book account,

forming an account object for each account of the plurality of accounts, each account object having an identifier data structure and a storage structure for ordered storage of partial entry data sets, each partial entry data set of the storage structure containing the record identifier of a book data set associated with the partial entry data set as well as at least one value of a business transaction which shout& effects a corresponding change of account values of the account objects;

recording of-the data concerning the business transaction the recording including:

(a) selecting one of the at least one a-ledger structures, depending on the type of the business transaction, selecting an account object of a book account and at least one account object of a cross-account of the book account as a function of the type of the business transaction, the book account being an account with which the selected ledger structure is associated, and reading in of the data concerning the business transaction,

(b) generating a book data set and at least two partial entry data sets from the data read-in in step (a), the book data set for storing in the storage structure of the ledger structure selected in step (a), one partial entry data set for storing in the storage structure of the account object selected in step (a), and at least one partial entry data set for storing in the storage structure of the at least one account object selected in step (a), the partial entry data sets containing the values of

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the business transaction which contemporaneously effect corresponding changes of account values of the selected account objects,

(c ) storing the book data set in order in the storage structure of the ledger structure selected in step (a),

(d) sending each partial entry data set of the at least two partial entry data sets to its corresponding account object selected in step (a), and

(e) receiving the partial entry data sets in the account objects and storing the partial entry data sets in order in the storage structures of the account objects.

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***Reasons for Allowance***

6. The following is an examiner's statement of reasons for allowance of claims 28-54:

The claimed inventions pertain to a method for processing data concerning business transaction in a computer system.

7. The following prior art reference have been deemed most relevant to the allowed claim(s) 28-54:

8. Hinkle (U. S. Patent No. 5,390,113) is directed to a completely different task, namely the decomposition of financial transactions into corresponding collections of independent sub-transactions so that for each input transaction, the corresponding collection of the sub-transactions is

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performed by operations that are independent of one another and can be performed in any order, including in an overlapping fashion, such as may occur during multiprocessing on a computer having multiple processors (see Hinkle, column 2, lines 3-12). That means Hinkle is directed to adapting the processing of financial transactions to multiprocessor computer systems. In contrast, the claimed invention is directed to a completely different task, namely to create a method of recording and processing business transaction data which facilitates a quicker creation of current business management analysis. According to Applicant's claim 28, step b, not only the usual book data set is generated but additionally two partial entry data sets are generated. That means that additional data sets and corresponding communication are generated in order to update the accounts immediately.

9. Therefore, the prior art of reference fails to teach, suggest or render obvious to one of ordinary skill in the art a method for processing data concerning a business transaction in a computer system comprising at least a process of generating a book data set and at least two partial entry data sets from the data read-in, the book data set for storing in the storage structure of the ledger structure selected, one partial entry data set for storing in the storage structure of the account object selected, and at least one partial entry data set for storing in the storage structure of the at least one account

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object selected in step, the partial entry data sets containing the values of the business transaction which contemporaneously effect corresponding changes of account values of the selected account objects .

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

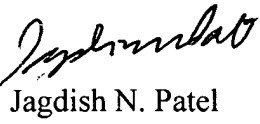
### *Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAGDISH PATEL whose telephone number is (571) 272-6748. The examiner can normally be reached on 800AM-630PM Mon-Tue and Thu.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **KRAMER JAMES A** can be reached on **(571) 272-6783**. The fax phone number for the organization where this application or proceeding is assigned is 517-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Jagdish N. Patel

(Primary Examiner, AU 3693)

1/18/08